Thermo Fisher SCIENTIFIC

Pipetting

# ART universal pipette tips and Eppendorf pipettes—compatibility guide

| Thermo Scientific™ ART™ pipette tips—product description | Rack | Reload insert | Reload tower | Eppendorf™ pipettes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Research Plus; 0.1–2.5 µL | Research Plus; 0.5–10 µL | Research Plus; 2–20 µL | Research Plus; 2–20 µL (yellow) | Research Plus; 10–100 µL | Research Plus; 20–200 µL | Research Plus; 30–300 µL | Research Plus; 100–1,000 µL | Research Plus; 0.5–5 mL | Research Plus; 1–10 mL | Research Plus; 8-ch; 0.5–10 µL | Research Plus; 12-ch; 0.5–10 µL | Research Plus; 8-ch; 10–100 µL | Research Plus; 12-ch; 10–100 µL | Research Plus; 8-ch; 30–300 µL | Research Plus; 12-ch; 30–300 µL | Reference 2; 0.1–2.5 µL | Reference 2; 0.5–10 µL | Reference 2; 2–20 µL | Reference 2; 2–20 µL (yellow) | Reference 2; 10–100 µL | Reference 2; 20–200 µL | Reference 2; 30–300 µL | Reference 2; 0.25–2.5 mL | Reference 2; 0.5–5 mL | Reference 2; 1–10 mL | Reference 2; 8-ch; 0.5–10 µL | Reference 2; 12-ch; 0.5–10 µL | Reference 2; 8-ch; 10–100 µL | Reference 2; 12-ch; 10–100 µL | Reference 2; 8-ch; 30–300 µL | Reference 2; 12-ch; 30–300 µL | Xplorer Plus; 0.5–10 µL | Xplorer Plus; 5–100 µL | Xplorer Plus; 15–300 µL | Xplorer Plus; 50–1,000 µL | Xplorer Plus; 0.25–5 mL | Xplorer Plus; 0.5–10 mL | Xplorer Plus; 8-ch; 0.5–10 µL | Xplorer Plus; 12-ch; 0.5–10 µL | Xplorer Plus; 8-ch; 5–100 µL | Xplorer Plus; 12-ch; 5–100 µL | Xplorer Plus; 8-ch; 15–300 µL | Xplorer Plus; 12-ch; 15–300 µL | Xplorer Plus; 8-ch; 50–1,200 µL | Xplorer Plus; 12-ch; 50–1,200 µL |
| **10 µL** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2139-HR | 2139-RI | 2139-RT | | ■ | ■ | | | | | | | | ■ | ■ | | | | | | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | | | | | ■ | ■ | | | | | | |
| Sterile, filtered | 2139F* | | | | | | | | | | | | | | | ■ | ■ | | | | | | | | | | | | | | | ■ | ■ | | | | | | | | | | | ■ | ■ | | | |
| Sterile, non-filtered | 3501-HR | | 3501-RT | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | | | | | ■ | ■ | | | | | | |
| Sterile, non-filtered | 3511-HR | | | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | | | | | ■ | ■ | | | | | | |
| Sterile, LR, filtered | 2139-05-HR | 2139-05-RI | 2139-05-RT | | ■ | ■ | | | | | | | | ■ | ■ | | | | | | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | | | | | ■ | ■ | | | | | | |
| Sterile, LR, filtered | 2139F-05* | | | | | | | | | | | | | | | ■ | ■ | | | | | | | | | | | | | | | ■ | ■ | | | | | | | | | | | ■ | ■ | | | |
| Sterile, LR, non-filtered | 3501-05-HR | | 3501-05-RT | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | | | | | ■ | ■ | | | | | | |
| Sterile, LR, non-filtered | 3511-05-HR | | | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | | | | | ■ | ■ | | | | | | |
| **10 µL ultra-micro** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2149E-HR | 219E-RI | | | ■ | ■ | | | | | | | | ■ | ■ | | | | | | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | | | | | ■ | ■ | | | | | | |
| Sterile, LR, filtered | 2149E-05-HR | 219E-05-RI | | | ■ | ■ | | | | | | | | ■ | ■ | | | | | | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | | | | | ■ | ■ | | | | | | |
| **10 µL extended length** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2140-HR | 2140-RI | | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | | | | | ■ | ■ | | | | | | |
| Sterile, LR, filtered | 2140-05-HR | 2140-05-RI | | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | | | | | ■ | ■ | | | | | | |
| **20 µL** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2149P-HR | 2149P-RI | 2149P-RT | | | | ■ | ■ | ■ | | | | | | | ■ | ■ | | | | | | ■ | ■ | ■ | | | | | | | ■ | ■ | | | | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | |
| Sterile, LR, filtered | 2149P-05-HR | 2149P-05-RI | 2149P-05-RT | | | | ■ | ■ | ■ | | | | | | | ■ | ■ | | | | | | ■ | ■ | ■ | | | | | | | ■ | ■ | | | | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | |
| **20 µL ultra-micro** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2149* | | | | ■ | ■ | | | | | | | | ■ | ■ | | | | | | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | | | | | ■ | ■ | | | | | | |
| Sterile, non-filtered | 3521-HR | | 3521-RT | | ■ | ■ | | | | | | | | ■ | ■ | | | | | | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | | | | | ■ | ■ | | | | | | |
| Sterile, LR, non-filtered | 3521-05-HR | | 3521-05-RT | | ■ | ■ | | | | | | | | ■ | ■ | | | | | | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | | | | | ■ | ■ | | | | | | |
| **50 µL** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2780* | | | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | |
| **100 µL** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2065-HR | 2065-RI | | | | | | | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | | ■ | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | ■ | | | | | | | ■ | ■ | ■ | ■ | |
| Sterile, filtered | 2065E-HR | 2065E-RI | | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | |
| **100 µL extended length** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2159P* | | | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | |
| **200 µL** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2069-HR | 2069-RI | 2069-RT | | | | | | ■ | ■ | | | | | | | | | | | | | | | ■ | ■ | | | | | | | | | | | | ■ | | | | | | | | | | | | |
| Sterile, filtered | 2770* | | | | | | | | ■ | ■ | | | | | | | | | | | | | | | ■ | ■ | | | | | | | | | | | | ■ | | | | | | | | | | | | |
| Sterile, non-filtered | 2065E-05-HR | 2065E-05-RI | | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | |
| Sterile, non-filtered | 3551-HR | | 3551-RT | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | |
| Sterile, LR, filtered | 2069-05-HR | 2069-05-RI | 2069-05-RT | | | | | | ■ | ■ | | | | | | | | | | | | | | | ■ | ■ | | | | | | | | | | | | ■ | | | | | | | | | | | | |
| Sterile, LR, non-filtered | 3551-05-HR | | 3551-05-RT | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | |
| **200 µL extended length** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, non-filtered | 3541-HR | | | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | |
| Sterile, filtered | 2160P-HR | | | | | | | | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | | | | | | | | ■ | ■ | ■ | ■ | |
| Sterile, LR, filtered | 2160P-05-HR | | | | | | | | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | | | | | | | | ■ | ■ | ■ | ■ | |
| Sterile, LR, non-filtered | 3451-05-HR | | | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | |

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| Thermo Scientific™ ART™ pipette tips—product description | Rack | Reload insert | Reload tower | Eppendorf™ pipettes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Research Plus; 0.1–2.5 µL | Research Plus; 0.5–10 µL | Research Plus; 2–20 µL | Research Plus; 2–20 µL (yellow) | Research Plus; 10–100 µL | Research Plus; 20–200 µL | Research Plus; 30–300 µL | Research Plus; 100–1,000 µL | Research Plus; 0.5–5 mL | Research Plus; 1–10 mL | Research Plus; 8-ch; 0.5–10 µL | Research Plus; 12-ch; 0.5–10 µL | Research Plus; 8-ch; 10–100 µL | Research Plus; 12-ch; 10–100 µL | Research Plus; 8-ch; 30–300 µL | Research Plus; 12-ch; 30–300 µL | Reference 2; 0.1–2.5 µL | Reference 2; 0.5–10 µL | Reference 2; 2–20 µL | Reference 2; 2–20 µL (yellow) | Reference 2; 10–100 µL | Reference 2; 20–200 µL | Reference 2; 30–300 µL | Reference 2; 0.25–2.5 mL | Reference 2; 0.5–5 mL | Reference 2; 1–10 mL | Reference 2; 8-ch; 0.5–10 µL | Reference 2; 12-ch; 0.5–10 µL | Reference 2; 8-ch; 10–100 µL | Reference 2; 12-ch; 10–100 µL | Reference 2; 8-ch; 30–300 µL | Reference 2; 12-ch; 30–300 µL | Xplorer Plus; 0.5–10 µL | Xplorer Plus; 5–100 µL | Xplorer Plus; 15–300 µL | Xplorer Plus; 50–1,000 µL | Xplorer Plus; 0.25–5 mL | Xplorer Plus; 0.5–10 mL | Xplorer Plus; 8-ch; 0.5–10 µL | Xplorer Plus; 12-ch; 0.5–10 µL | Xplorer Plus; 8-ch; 5–100 µL | Xplorer Plus; 12-ch; 5–100 µL | Xplorer Plus; 8-ch; 15–300 µL | Xplorer Plus; 12-ch; 15–300 µL | Xplorer Plus; 8-ch; 50–1,200 µL | Xplorer Plus; 12-ch; 50–1,200 µL |
| **300 µL** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, non-filtered | 3771-HR | | 3771-RT | | | | ■ | ■ | | | | | | | | ■ | ■ | ■ | ■ | | | | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | | ■ | | | | | | ■ | ■ | ■ | ■ | | |
| Sterile, LR, non-filtered | 3771-05-HR | | 3771-05-RT | | | | ■ | ■ | | | | | | | | ■ | ■ | ■ | ■ | | | | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | | ■ | | | | | | ■ | ■ | ■ | ■ | | |
| **1,000 µL** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2279* | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | | | | | | | | | | |
| Sterile, filtered | 2079E* | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | | | | | | | | | | |
| Sterile, non-filtered | 3581* | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | | | | | | | | | | |
| Sterile, non-filtered | 3881* | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | | | | | | | | | | |
| Sterile, LR, filtered | 2279-05* | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | | | | | | | | | | |
| Sterile, LR, non-filtered | 3581-05* | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | | | | | | | | | | |
| **1,000 µL extended length** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2079-HR | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | | | | | | | | | ■ | ■ |
| Sterile, non-filtered | 3792-HR | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | | | | | | | | | ■ | ■ |
| Sterile, LR, filtered | 2079-05-HR | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | | | | | | | | | ■ | ■ |
| Sterile, LR, non-filtered | 3792-05-HR | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | | | | | | | | | ■ | ■ |
| **200 µL wide bore** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2069G* | | | | | | | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | | | | | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | | ■ | | | | | ■ | ■ | ■ | ■ | | |
| Sterile, non-filtered | 3531* | | | | | ■ | ■ | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | ■ | ■ | | | | | ■ | ■ | ■ | ■ | | |
| **200 µL wide bore extended length** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, non-filtered | 3701* | | | | | ■ | ■ | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | ■ | ■ | | | | | ■ | ■ | ■ | ■ | | |
| Sterile, filtered | 2160G* | | | | | ■ | ■ | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | ■ | ■ | | | | | ■ | ■ | ■ | ■ | | |
| **1,000 µL wide bore** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2079G* | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | | | | | | | | | | |
| Sterile, non-filtered | 3591* | | | | | | | | | | ■ | | | | | | | | | | | | | | | | | | | | | | | | | | ■ | | | | | | | | | | |
| **20 µL gel loading** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2155P* | | | | | ■ | ■ | ■ | | | | | | | | ■ | ■ | | | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | | | | ■ | ■ | | | | | ■ | ■ | ■ | ■ | | |
| **100 µL gel loading** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, filtered | 2155* | | | | | ■ | ■ | ■ | ■ | | | | | | | ■ | ■ | ■ | ■ | | | ■ | ■ | ■ | ■ | | | | | | ■ | ■ | ■ | ■ | | ■ | ■ | | | | | ■ | ■ | ■ | ■ | | |
| **5,000 µL macro bulk pack** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sterile, non-filtered | 3897-11 | | | | | | | | | | | ■ | | | | | | | | | | | | | | | ■ | | | | | | | | | | | ■ | | | | | | | | | |

* Rack with lift-off lid.

ART barrier pipette tips in hinged racks

ART barrier reload system

ART barrier reload insert pipette tips

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