

Materials List for

Use of Micropipette-Guided Drug Administration as an Alternative Method to Oral Gavage in Rodent Models

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Materials

| Name | Company | Catalog Number | Comments |
|--|----------------------------------|-----------------|----------|
| 200 µL pipette tips | Mettler Toledo | 17005860 | |
| AB SCIEX Triple QTRAP 5500 mass-spectrometric detector | Sciex | N/A | |
| Akkermansia muciniphila strain muc genomic DNA | American Type Culture Collection | BAA-835D-5 | |
| Ammonium acetate | Sigma–Aldrich | 5.43834 | |
| C57BL/6J mice | Jackson Laboratories | Strain# 000664 | |
| <i>C. scindens</i> strain 35704 | American Type Culture Collection | 35704 | |
| Cefoxitin | Sagent | NDC25021-109-10 | |
| Corn oil | MedChemExpress | HY-Y1888 | |
| DMSO | Sigma–Aldrich | D2650 | |
| ethanol | Fisher Scientific | AC611050040 | |
| Formic acid | Sigma–Aldrich | 5.33002 | |
| FVB/NJ mice | Jackson Laboratories | Strain# 001800 | |
| Glycerol | Sigma–Aldrich | G5516 | |
| Hexane | Fisher Scientific | 02-002-996 | |
| LC-MS grade water | Fisher Scientific | 14-650-357 | |
| Methanol | Fisher Scientific | 02-003-340 | |
| Microtainer serum separator tube | Becton Dickinson | 02-675-185 | |
| Molecular biology grade water | Corning | 46-000-CI | |
| NSG mice | Jackson Laboratories | Strain# 005557 | |
| PBS | Corning | 21-031-CV | |
| Qubit DNA HS kit | Invitrogen | Q32851 | |
| Racemic equol-d4 | Santa Cruz Biotechnology | sc-219827 | |
| Reinforced Clostridial agar | Anaerobe Systems | AS-6061 | |
| Reinforced Clostridial broth | Anaerobe Systems | AS-606 | |

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|---|----------------------------------|-------------|--|
| S-equol | MedChemExpress | HY-100583 | |
| S-equol reference standard for LC-MS | Cayman Chemical | 10010173 | |
| Single channel pipette | Rainin | 17008652 | |
| Streptococcus salivarius genomic DNA | American Type Culture Collection | BAA-1024D-5 | |
| Sweetened condensed milk | California Farms | B09TGQ7WV8 | |
| VSL#3 | VSL#3 | B07WX1LVHL | |
| β -glucuronidase from Helix pomatia | Sigma-Aldrich | G7017 | |