

Materials List for:

# Rat Model of the Associating Liver Partition and Portal Vein Ligation for Staged Hepatectomy (ALPPS) Procedure

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## Materials

| Name                          | Company   | Catalog Number        | Comments  |
|-------------------------------|---|-----------------------|---|
| Isoflurane, 250 mL bottles    | Attane, Piramal, Mumbai, India                    | LDNI 22098            | Standard vet. equipment                         |
| Tec-3 Isoflurane Vaporizer    | Ohmeda, GE-Healthcare, Chicago, IL                | not available anymore | Standard vet. equipment                         |
| Buprenorphine (Temgesic)      | Indivior, Baar, Switzerland                       | 7680419310353         | GTIN-number                                     |
| Vitamine A ointment           | Bausch&Lomp, Zug, Switzerland                     | 7680223980247         | GTIN-number                                     |
| Atropine sulfate 0.5 mg/mL    | Sintetica SA, Mendrisio, Switzerland              | 7680565330045         | GTIN-number                                     |
| Microsurgery microscope       | Olympus, Tokio, Japan                             | SZX10                 | Standard vet. equipment                         |
| Betadine                      | Mundipharma, Basel, Switzerland                   | 7680342821377         | GTIN-number                                     |
| Sponges                       | Carl Roth GmbH, Karlsruhe, Germany                | NK83.1                | Mini-sponges                                    |
| Abdominal Wall retractors     | N/A   | N/A                   | Self-made from paper clips and Q-Tips           |
| 3-0 silk                      | Ethicon, Sommerville, NJ                          | K872H                 | Standard surgical                               |
| Scissors                      | World precision instruments (WPI), Sarasota, FL   | 503371                | Standard microsurgical                          |
| Adson forceps                 | World precision instruments (WPI), Sarasota, FL   | 501244-G              | Standard microsurgical                          |
| Fine tips microforceps        | World precision instruments (WPI), Sarasota, FL   | 501976                | Tips need to be polished regularly              |
| Curved fine tips microforceps | World precision instruments (WPI), Sarasota, FL   | 504513                | Essential to go around the portal vein branches |
| 6-0 LOOK black braided silk   | Surgical Specialities Corporation, Wyomissing, PA | SP114                 | Spool, precut prior to the procedure            |
| 2-0 silk sutures              | Ethicon, Sommerville, NJ                          | K833                  | Standard surgical                               |
| 5-0 maxon sutures             | Covidien, Dublin, Ireland                         | 6608-21               | Standard surgical                               |
| Bipolar microforceps          | Sutter, Freiburg, Germany                         | 780148SGS             | Essential for parenchymal transection           |
| Q-tips small                  | Carl Roth GmbH, Karlsruhe, Germany                | EH11.1                | Standard surgical                               |
| Q-tips big                    | Carl Roth GmbH, Karlsruhe, Germany                | XL54.1                | Standard surgical                               |
| G30 needle                    | Terumo, Tokyo, Japan                              | NN-3013R              | Standard anesthesia equipment                   |
| 2 mm volume flow probe        | Transonic Systems, Ithaca, NY                     | MA-2PS                | Smallest available probe for HAT-311 flow meter |

|                          |  |                                  |   |
|--------------------------|--|----------------------------------|---|
| Transonic flow meter     | Transonic Systems, Ithaca, NY                | HAT-311 Transsonic flow QC meter | One of the first generation flow flow meters for surgery                              |
| ExiTron nano 12,000      | Miltenyi Biotech, Bergisch Gladbach, Germany | 130-095-698                      | Nanomolecular contrast medium that opacifies liver and spleen                         |
| G26 intravenous catheter | Becton Dickinson, Franklin Lakes, NJ         | 391349                           | Standard anesthesia equipment   |
| Quantum FX MicroCT       | Perkin Elmer, Waltham, MA                    | N/A                              | Standard small animal CT scanner at the institute of physiology, University of Zürich |
| OsiriX 8.0               | Pixmeo Sarl, Geneva, Switzerland             | N/A                              | Public domain software : <a href="http://www.pixmeo.com">www.pixmeo.com</a>           |