

**AVAILABLE LIBRARIES FOR DUALHYBRID SERVICES**

| Tissue          | Stage | mRNA source  | 1st strand       | Complexity | Average insert size | % with insert |
|-----------------|-------|--|------------------|------------|---------------------|---------------|
| <b>HUMAN</b>    |       |  |                  |            |                     |               |
| bone marrow     | adult | pooled from 51 male/ female Caucasians, ages 22-70; cause of death: sudden death                                     | oligo dT         | 3.50E+06   | 2.0 kb              | 87%           |
| brain           | adult | normal, whole brain from a 60-yr-old male Caucasian; cause of death: sudden death                                    | oligo dT         | 3.50E+06   | 2.0 kb              | 95%           |
| brain           | fetal | normal, whole brains pooled from 9 spontaneously aborted male/ female Caucasian fetuses, ages 20-25 weeks            | oligo dT         | 3.50E+06   | 2.0 kb              | 85%           |
| colon           | adult | from a 51-yr-old male African American; cause of death: Colectomy  | oligo dT/ random | 2.40E+06   | 0.8 kb              | 100%          |
| heart           | adult | normal, whole hearts pooled from 3 male Caucasians, ages 28-47   | oligo dT         | 3.50E+06   | 2.0 kb              | 100%          |
| keratinocytes   | n.a.  | HaCat cell line; derived from long-term primary culture of human adult skin keratinocytes                            | oligo dT         | 2.50E+06   | 1.2 kb              | 85%           |
| liver           | adult | normal, whole liver from a 15-yr-old female Caucasian; cause of death: trauma  | oligo dT         | 3.50E+06   | 1.9 kb              | 93%           |
| lymph node      | adult | normal, whole lymph nodes pooled from 34 male/ female Caucasians, ages 14-70; cause of death: trauma                 | oligo dT         | 3.50E+06   | 2.0 kb              | 87%           |
| skeletal muscle | adult | M. quadriceps, iliopsoas & pectoralis major pooled from 8 male/female Caucasians, ages 29-60; cause of death: trauma | oligo dT         | 3.50E+06   | 2.0 kb              | 90%           |
| pancreas        | adult | normal, whole pancreas pooled from 10 male/ female Caucasians, ages 40-61; cause of death: trauma                    | oligo dT         | 3.50E+06   | 2.0 kb              | 100%          |
| placenta        | adult | normal term placentas pooled from 4 Caucasians, ages 25-41   | oligo dT         | 3.50E+06   | 2.0 kb              | 95%           |
| small intestine | adult | normal, adult  | oligo dT/ random | 2.70E+06   | 1.0 kb              | 86%           |
| testis          | adult | normal, whole testes pooled from 11 Caucasians, ages 10-61   | oligo dT         | 3.50E+06   | 2.0 kb              | 93%           |

| Tissue | Stage | mRNA source | 1st strand | Complexity | Average insert size | % with insert |
|--------|-------|-------------|------------|------------|---------------------|---------------|
|--------|-------|-------------|------------|------------|---------------------|---------------|

**CELL LINE**

|      |     |     |        |          |        |     |
|------|-----|-----|--------|----------|--------|-----|
| HeLa | --- | --- | Random | 1.03E+07 | 0.7 kb | 90% |
|------|-----|-----|--------|----------|--------|-----|

**MOUSE**

|              |            |  |                  |          |        |      |
|--------------|------------|--|------------------|----------|--------|------|
| brain        | 9-12 weeks | normal, whole brains pooled from 200 BALB/c males, ages 9-12 weeks | oligo dT         | 3.50E+06 | 2.0 kb | 95%  |
| whole embryo | Day 11     |  | oligo dT/ random | 1.60E+06 | 0.9 kb | 100% |
| testis       | 8-12 weeks | normal, whole testes pooled from 200 BALB/c mice, ages 8-12 weeks  | oligo dT         | 3.50E+06 | 2.0 kb | 93%  |

**RAT**

|       |       |  |          |          |        |      |
|-------|-------|--|----------|----------|--------|------|
| liver | adult | pooled from 100 adult outbred Sprague-Dawley males | oligo dT | 3.50E+06 | 2.0 kb | 100% |
|-------|-------|--|----------|----------|--------|------|

**DROSOPHILA**

|              |          |                   |          |          |        |     |
|--------------|----------|-------------------|----------|----------|--------|-----|
| whole animal | adult    | Canton S, strain  | oligo dT | 3.50E+06 | 1.9 kb | 93% |
| whole embryo | 21 hours | Canton S. embryos | oligo dT | 3.00E+06 | 1.4 kb | 90% |

**ARABIDOPSIS THALIANA**

|                         |            |              |                  |          |        |     |
|-------------------------|------------|--------------|------------------|----------|--------|-----|
| Green vegetative tissue | 3 week old | cv. Columbia | oligo dT/ random | 3.00E+06 | 1.2 kb | 90% |
|-------------------------|------------|--------------|------------------|----------|--------|-----|