| Title | Significance of portal venous V EGF during liver regeneration <br> after hepatectomy. |
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Table 1. Oligonucleotide sequences of primer pairs used in RT-PCR ${ }^{\text {a }}$

|  |  | Reverse primer | PCR fragment <br> size (bp) |
| :--- | :--- | :--- | :---: |
| Gene | Forward primer |  |  |
| VEGF | GAACTTTCTGCTCTCTTGGG | CTGCATTCACATCTGCTATG | 375 |
| HIF-1a | GATCAGCCAGCAAGTCCTTC | GGAGCTGTGAATGTGCTGTG | 1247 |
| HGF | CCCAAATGTGACGTGTCAAG | TGTTTTGTTTTGGCACAGGA | 335 |
| HGFA | GGCAAGAGGCACAAGAAGAG | CAGCAACCAGGGGGACCAGT | 508 |
|  |  |  |  |

${ }^{a}$ Each gene was coamplified with GAPDH

## FIGURE LEGENDS

Figure. 1. The courses of liver regeneration during seven days after 70\% partial hepatectomy. Values represent means $\pm$ SD.


Figure. 2. The concentration of VEGF in plasma after 70\% partial hepatectomy. Closed squares and opened circles represent portal venous blood and peripheral venous blood, respectively. ${ }^{*} P<0.05$ versus peripheral venous blood; ${ }^{* *} P<0.01$ versus peripheral venous blood. Values represent means $\pm$ SD.


Times after partial hepatectomy (hours)

Figure. 3. Changes in ratio of vascular endothelial growth factor (VEGF) mRNA expression after 70\% partial hepatectomy in liver
 Values represent means $\pm$ SD.


Figure. 4. Changes in ratio of hypoxia inducible factor- $1 \alpha$ (HIF-1 $\alpha$ ) mRNA expression after partial 70\% hepatectomy in liver (A),



Figure. 5. Changes in ratio of hepatocyte growth factor (HGF) mRNA expression after 70\%partial hepatectomy in liver (A), spleen


B. Spleen


Times after partial hepatectomy (hours)
C. Intestine


Times after partial hepatectomy (hours)


Figure. 6. Changes in ratio of hepatocyte growth factor activator (HGFA) mRNA expression after 70\% partial hepatectomy in liver (A), spleen (B) and intestine (C). 0 : Pre-hepatectomy. ${ }^{*} P<0.05$ versus 0 hours; ${ }^{* * P<0.01 \text { versus } 0 \text { hours. Values represent means } \pm}$ SD.


