Animal Cell Culture and Microbial Bioprocess Development

¤ÇÒÁà»ç¹ÁÒ

ËéÍ§»¯ÔºÑµÔ¡ÒÃ Animal Cell Culture ÁÕ¨Ø´àÃÔèÁµé¹¨Ò¡ ¡ÒÃÈÖ¡ÉÒà¾ÒÐàÅÕéÂ§à«ÅÅìáÅ§ áÅÐ áº¤ÔÇâÅäÇÃÑÊ à¾×é
â»ÃµÕ¹´Ñ´á»Å§¨Ò¡¡ÃÐºÇ¹¡ÒÃà¾Ñ¹ØÇÔÈÇ¡ÃÃÁà¾×èÍãªéã¹·Ò§¡ÒÃá¾·Âì »Ñ¨¨ØºÑ¹ä´é¢ÂÒÂ¢Íº¢èÒÂ§Ò¹ä»¶Ö§ ¡ÒÃà¾ÒÐàÅÕ
submerge culture ÍÑ¹¨Ð¹Óä»ÊÙè¼ÅÔµÀÑ³±ì áÅÐ ¡ÒÃ¢ÂÒÂ¢¹Ò´¡ÒÃ¼ÅÔµà¾×èÍÍØµÊÒ¡ÃÃÁ ·Ñé§µé¹éÓáÅÐ»ÅÒÂ¹éÓ §Ò¹ÇÕ
à¾×èÍä´é¼ÅÔµÀÑ³±ì·Õè¹Óä»ãªéä´é¨ÃÔ§ ·Ñé§·Ò§¡ÒÃà¡ÉµÃ áÅÐ »ÈØÊÑµÇì ÃÇÁä»¶Ö§ ·Ò§ÍÒËÒÃ áÅÐ ¡ÒÃá¾·Âì ã¹Í¹Ò¤µ Á

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¡ÒÃËÒÊÙµÃÍÒËÒÃ·ÕèàËÁÒÐÊÁ

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¾Ñ²¹Ò¡ÃÐºÇ¹¡ÒÃÊ¡Ñ´ áÅÐ ·ÓºÃÔÊØ·¸Ôì¼Å¼ÅÔµ¨Ò¡«ÅÅì áÅÐ¨ØÅÔ¹·ÃÕÂì

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¾Ñ²¹Ò¡ÒÃ¢ÂÒÂ¢¹Ò´¡ÒÃ¼ÅÔµÊÙèÃÐ´Ñºµé¹áºº áÅÐ ¶èÒÂ·Í´à·¤â¹âÅÂÕ

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¾Ñ²¹Ò¡ÃÐºÇ¹¡ÒÃ¼ÅÔµáÍ¹µÔºÍ´Õé (Monoclonal Antibody áÅÐ IgY antibody)

à«ÅÅìáÅÐ¨ØÅÔ¹·ÃÕÂì·ÕèÈÖ¡ÉÒÇÔ¨ÑÂ

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à«ÅÅìáÁÅ§ : Spodoptera flugiperda (SF9) , Spodoptera exigua (Se) , Heliotis zea (Hz)

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à«ÅÅìÊÑµÇìàÅÕéÂ§ÅÙ¡´éÇÂ¹Á : Hybridoma cell. CHO cell, MDCK

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á°¤·ÕàÃÕÂ : Bacillus subtilis , Lactic acid bacteria

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ÂÕÊµì : Sacchaormyces cerievisiae , Phaffia rodozyma

¡ÅØèÁµÅÒ´ áÅÐ ¼ÅÔµÀÑ³±ì à»éÒËÁÒÂ

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à¡ÉµÃ :

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ÊÒÃ¡Ó¨Ñ´áÁÅ§ÈÑµÃÙ¾×¢ à»ç¹¼ÅÖ¡äÇÃÑÊ·ÕèÁÕ¤ÇÒÁ¨Óà¾ÒÐµèÍáÁÅ§ÈÑµÃÙ¾×ª ÊÒÁÒÃ¶ãªé©Õ´¾è¹ à ¾×èÍ¤Ç°¤ØÁ

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¨ØÅÔ¹·ÃÕÂì à¾×èÍ¡ÒÃºÓºÑ´¹éÓàÊÕÂ áÅÐ¤Ç°¤ØÁàª×éÍÃÒã¹¹Ò¢éÒÇ à»ç¹µé¹

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»ÈØÊÑµÇì :

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â»ÃäºâÍµÔ¤ à»ç¹ à«ÅÅì¨ØÅÔ¹·ÃÕÂì·ÕèÁÕªÕÇÔµ ·Õèà¢éÒä»¤ÃÍº¤ÃÍ§¾×é¹·Õèã¹·Ò§à´Ô¹ÍÒËÒÃ¢Í§ÊÑµÇì ·Ó ãËéÅ´ÍÑµÃÒ¡

Lactococcus acidophilus áÅÐ Saccharomyces cerievisiae

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ÍÒËÒÃÊÑµÇì áÅÐ ÊÒÃàÊÃÔÁã¹ÊÑµÇì ÍÒËÒÃÊÑµÇìàªè¹¢éÒÇâ¾´ËÁÑ¡ ÊÓËÃÑºÇÑÇ¹Á ÊèÇ¹ÊÒÃàÊÃÔÁ¤×Í ÊÒÃÍÒËÒÃ·Ã «Öè§ÍÂÙèã¹ÃÙ»·ÕèÊÑµÇìÊÒÁÒÃ¶¹Óä»ãªéä´éÍÂèÒ§ÃÇ´àÃçÇ áÅÐ ªèÇÂ¡ÃÐµØé¹ ÀÙÁÔ¤ØéÁ¡Ñ¹ã¹ÊÑµÇì

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ÇÑ¤«Õ¹ÊÑµÇì àªè¹ ÇÑ¤«Õ¹»éÍ§¡Ñ¹âÃ¤ áºÅ¤àÅ¤ã¹ ÇÑÇ

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ªØ´µÃÇ¨ àªè¹ªØ´µÃÇ¨¤ÇÒÁà¤ÃÕÂ´ã¹ÊÑµÇì¡èÍ¹¡ÒÃãËéÇÑ¤«Õ¹ à¾×èÍà¾ÔèÁ»ÃÐÊÔ·¸ÔÀÒ¾¡ÒÃãËéÇÑ¤«Õ¹

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ÍÒËÒÃ :

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ÊÒÃ»ÃØ§áµè§ÃÊ àªè¹¡ÒÃ¼ÅÔµÊÒÃà¾ÔèÁÃÊªÒµÔÍÙÁÒÁÔ¨Ò¡¡Ò¡¶ÑèÇàËÅ×Í§

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ÊÒÃàÊÃÔÁ àªè¹¡ÒÃ¼ÅÔµ â¤ÃàÁÕÂÁ à«àÅà¹ÕÂÁÂÕÊµì ÍÔÁÁÙâ¹¡ÅÍºÙÅÔ¹ã¹ä¢èá´§ (IgY)

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¡ÒÃá¾·Âì :

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â»ÃµÕ¹·Ò§¡ÒÃá¾·Âì àªè¹ â»ÃµÕ¹ä¢éàÅ×Í´ÍÍ¡ , Erythropoietin

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âÁâ¹â¤Å¹ÍÅáÍ¹µÔºÍ´Õé àªè¹ Anti-cortisal Mab., Anti-adipocyte membrane protein (IgY)

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ÇÑ¤«Õ¹ àªè¹ ÇÑ¤«Õ¹»éÍ§¡Ñ¹âÃ¤ä¢éËÇÑ´ãË-è (Influenza)

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´Ã. à¾ç-¨Ñ¹·Ãì àÁ¦ÇÔ¨ÔµÃáÊ§

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¼È. ´Ã. ¡¹¡ÇÃÃ³ ¾ØèÁ¾Ø·ÃÒ

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´Ã. áÊ§ªÑÂ àÍ¡»ÃÐ·ØÁªÑÂ

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Í. äÇÃØ¨¹ì à´ªÁËÔ·¡ØÅ

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