



## Cubic Screen - technical sheet

Patent No. 6,821,487

	<u>crystallant</u>	<u>buffer (0.1 M)</u>	<u>salt (0.2 M)</u>	
<b>1</b>	10% (v/v) 2-propanol	Tris pH 7.0	Zn(OAc) <sub>2</sub>	<b>1</b>
<b>2</b>	10% (v/v) 2-propanol	acetate pH 4.5	Ca(OAc) <sub>2</sub>	<b>2</b>
<b>3</b>	10% (v/v) 2-propanol	citrate pH 5.5	Li <sub>2</sub> SO <sub>4</sub>	<b>3</b>
<b>4</b>	10% (v/v) 2-propanol	Tris pH 7.0	Ca(OAc) <sub>2</sub>	<b>4</b>
<b>5</b>	10% (v/v) 2-propanol	acetate pH 4.5	NaCl	<b>5</b>
<b>6</b>	10% (v/v) 2-propanol	citrate pH 5.5	MgCl <sub>2</sub>	<b>6</b>
<b>7</b>	10% (w/v) PEG-8000	HEPES pH 7.5	NaCl	<b>7</b>
<b>8</b>	10% (w/v) PEG-8000	MES pH 6.0	Zn(OAc) <sub>2</sub>	<b>8</b>
<b>9</b>	10% (w/v) PEG-8000	Na/K phosphate pH 6.2	Li <sub>2</sub> SO <sub>4</sub>	<b>9</b>
<b>10</b>	10% (w/v) PEG-8000	acetate pH 4.5	Ca(OAc) <sub>2</sub>	<b>10</b>
<b>11</b>	10% (w/v) PEG-8000	Tris pH 8.5	MgCl <sub>2</sub>	<b>11</b>
<b>12</b>	10% (w/v) PEG-8000	cacodylate pH 6.5	NaCl	<b>12</b>
<b>13</b>	10% (w/v) PEG-8000	citrate pH 5.5	Li <sub>2</sub> SO <sub>4</sub>	<b>13</b>
<b>14</b>	10% (w/v) PEG-8000	HEPES pH 7.5	MgCl <sub>2</sub>	<b>14</b>
<b>15</b>	20% (w/v) PEG-2000 MME	HEPES pH 7.5	NaCl	<b>15</b>
<b>16</b>	20% (w/v) PEG-2000 MME	MES pH 6.0	Zn(OAc) <sub>2</sub>	<b>16</b>
<b>17</b>	20% (w/v) PEG-2000 MME	Na/K phosphate pH 6.2	Li <sub>2</sub> SO <sub>4</sub>	<b>17</b>
<b>18</b>	20% (w/v) PEG-2000 MME	acetate pH 4.5	Ca(OAc) <sub>2</sub>	<b>18</b>
<b>19</b>	20% (w/v) PEG-2000 MME	Tris pH 8.5	MgCl <sub>2</sub>	<b>19</b>
<b>20</b>	20% (w/v) PEG-2000 MME	cacodylate pH 6.5	Li <sub>2</sub> SO <sub>4</sub>	<b>20</b>
<b>21</b>	20% (w/v) PEG-2000 MME	HEPES pH 7.5	Li <sub>2</sub> SO <sub>4</sub>	<b>21</b>
<b>22</b>	20% (v/v) 1,4-butanediol	Tris pH 8.5	Li <sub>2</sub> SO <sub>4</sub>	<b>22</b>
<b>23</b>	20% (v/v) 1,4-butanediol	cacodylate pH 6.5	Ca(OAc) <sub>2</sub>	<b>23</b>
<b>24</b>	20% (v/v) 1,4-butanediol	citrate pH 5.5	MgCl <sub>2</sub>	<b>24</b>
<b>25</b>	20% (v/v) 1,4-butanediol	Tris pH 7.0	Zn(OAc) <sub>2</sub>	<b>25</b>
<b>26</b>	20% (v/v) 1,4-butanediol	Tris pH 8.5	MgCl <sub>2</sub>	<b>26</b>
<b>27</b>	20% (v/v) 1,4-butanediol	citrate pH 5.5	NaCl	<b>27</b>
<b>28</b>	20% (w/v) PEG-1000	HEPES pH 7.5	NaCl	<b>28</b>
<b>29</b>	20% (w/v) PEG-1000	MES pH 6.0	Zn(OAc) <sub>2</sub>	<b>29</b>
<b>30</b>	20% (w/v) PEG-1000	Tris pH 7.0	Li <sub>2</sub> SO <sub>4</sub>	<b>30</b>
<b>31</b>	20% (w/v) PEG-1000	HEPES pH 7.5	MgCl <sub>2</sub>	<b>31</b>
<b>32</b>	20% (w/v) PEG-1000	MES pH 6.0	NaCl	<b>32</b>
<b>33</b>	2.5 M NaCl	HEPES pH 7.5		<b>33</b>
<b>34</b>	2.5 M NaCl	MES pH 6.0	Zn(OAc) <sub>2</sub>	<b>34</b>
<b>35</b>	2.5 M NaCl	Tris pH 8.5	Li <sub>2</sub> SO <sub>4</sub>	<b>35</b>
<b>36</b>	2.5 M NaCl	cacodylate pH 6.5	Ca(OAc) <sub>2</sub>	<b>36</b>
<b>37</b>	2.5 M NaCl	citrate pH 5.5	MgCl <sub>2</sub>	<b>37</b>
<b>38</b>	2.5 M NaCl	cacodylate pH 6.5	Li <sub>2</sub> SO <sub>4</sub>	<b>38</b>
<b>39</b>	30% (w/v) PEG-400	Tris pH 7.0	Zn(OAc) <sub>2</sub>	<b>39</b>
<b>40</b>	30% (w/v) PEG-400	Imidazole pH 8.0	Li <sub>2</sub> SO <sub>4</sub>	<b>40</b>
<b>41</b>	30% (w/v) PEG-400	citrate pH 5.5	MgCl <sub>2</sub>	<b>41</b>
<b>42</b>	30% (w/v) PEG-400	citrate pH 5.5	Li <sub>2</sub> SO <sub>4</sub>	<b>42</b>
<b>43</b>	30% (w/v) PEG-400	Imidazole pH 8.0	Zn(OAc) <sub>2</sub>	<b>43</b>
<b>44</b>	30% (w/v) PEG-400	Tris pH 7.0	NaCl	<b>44</b>
<b>45</b>	15% (v/v) Ethanol	Na/K phosphate pH 6.2	NaCl	<b>45</b>
<b>46</b>	15% (v/v) Ethanol	acetate pH 4.5	Zn(OAc) <sub>2</sub>	<b>46</b>
<b>47</b>	15% (v/v) Ethanol	cacodylate pH 6.5	Ca(OAc) <sub>2</sub>	<b>47</b>
<b>48</b>	15% (v/v) Ethanol	acetate pH 4.5	MgCl <sub>2</sub>	<b>48</b>

<b>49</b>	15% (v/v) Ethanol	cacodylate pH 6.5	NaCl	<b>49</b>
<b>50</b>	10% (w/v) PEG-3000	HEPES pH 7.5	NaCl	<b>50</b>
<b>51</b>	10% (w/v) PEG-3000	MES pH 6.0	Zn(OAc) <sub>2</sub>	<b>51</b>
<b>52</b>	10% (w/v) PEG-3000	Tris pH 8.5	Ca(OAc) <sub>2</sub>	<b>52</b>
<b>53</b>	10% (w/v) PEG-3000	citrate pH 5.5	MgCl <sub>2</sub>	<b>53</b>
<b>54</b>	10% (w/v) PEG-3000	Tris pH 8.5	Li <sub>2</sub> SO <sub>4</sub>	<b>54</b>
<b>55</b>	10% (w/v) PEG-3000	MES pH 6.0	Li <sub>2</sub> SO <sub>4</sub>	<b>55</b>
<b>56</b>	1.0 M (NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub>	HEPES pH 7.5	NaCl	<b>56</b>
<b>57</b>	1.0 M (NH <sub>4</sub> ) <sub>2</sub> HPO <sub>4</sub>	cacodylate pH 6.5	NaCl	<b>57</b>
<b>58</b>	1.26 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Na/K phosphate pH 6.2	Li <sub>2</sub> SO <sub>4</sub>	<b>58</b>
<b>59</b>	1.26 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Tris pH 7.0	MgCl <sub>2</sub>	<b>59</b>
<b>60</b>	1.26 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	Imidazole pH 8.0	Li <sub>2</sub> SO <sub>4</sub>	<b>60</b>
<b>61</b>	1.26 M (NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub>	citrate pH 5.5	NaCl	<b>61</b>
<b>62</b>	20% (w/v) PEG-8000	HEPES pH 7.5	NaCl	<b>62</b>
<b>63</b>	20% (w/v) PEG-8000	Tris pH 7.0	Zn(OAc) <sub>2</sub>	<b>63</b>
<b>64</b>	20% (w/v) PEG-8000	Imidazole pH 8.0	Li <sub>2</sub> SO <sub>4</sub>	<b>64</b>
<b>65</b>	20% (w/v) PEG-8000	acetate pH 4.5	MgCl <sub>2</sub>	<b>65</b>
<b>66</b>	20% (w/v) PEG-8000	cacodylate pH 6.5	NaCl	<b>66</b>
<b>67</b>	20% (w/v) PEG-8000	Tris pH 7.0	MgCl <sub>2</sub>	<b>67</b>
<b>68</b>	1.0 M Sodium citrate	HEPES pH 7.5	NaCl	<b>68</b>
<b>69</b>	1.0 M Sodium citrate	MES pH 6.0	Zn(OAc) <sub>2</sub>	<b>69</b>
<b>70</b>	1.0 M Sodium citrate	Imidazole pH 8.0	Li <sub>2</sub> SO <sub>4</sub>	<b>70</b>
<b>71</b>	1.0 M Sodium citrate	acetate pH 4.5	MgCl <sub>2</sub>	<b>71</b>
<b>72</b>	1.0 M Sodium citrate	Tris pH 8.5	Li <sub>2</sub> SO <sub>4</sub>	<b>72</b>
<b>73</b>	1.0 M Sodium citrate	MES pH 6.0	MgCl <sub>2</sub>	<b>73</b>
<b>74</b>	10% (v/v) 2-propanol	acetate pH 4.5	Li <sub>2</sub> SO <sub>4</sub>	<b>74</b>
<b>75</b>	10% (v/v) 2-propanol	citrate pH 5.5	NaCl	<b>75</b>
<b>76</b>	10% (w/v) PEG-8000	acetate pH 4.5	MgCl <sub>2</sub>	<b>76</b>
<b>77</b>	10% (w/v) PEG-8000	Tris pH 8.5	NaCl	<b>77</b>
<b>78</b>	20% (w/v) PEG-2000 MME	acetate pH 4.5	Zn(OAc) <sub>2</sub>	<b>78</b>
<b>79</b>	20% (w/v) PEG-2000 MME	Tris pH 8.5	Li <sub>2</sub> SO <sub>4</sub>	<b>79</b>
<b>80</b>	20% (v/v) 1,4-butanediol	Tris pH 8.5	NaCl	<b>80</b>
<b>81</b>	20% (v/v) 1,4-butanediol	cacodylate pH 6.5	Li <sub>2</sub> SO <sub>4</sub>	<b>81</b>
<b>82</b>	20% (w/v) PEG-1000	HEPES pH 7.5	Li <sub>2</sub> SO <sub>4</sub>	<b>82</b>
<b>83</b>	20% (w/v) PEG-1000	MES pH 6.0	MgCl <sub>2</sub>	<b>83</b>
<b>84</b>	2.5 M NaCl	MES pH 6.0	Li <sub>2</sub> SO <sub>4</sub>	<b>84</b>
<b>85</b>	30% (w/v) PEG-8000	Tris pH 8.5	Li <sub>2</sub> SO <sub>4</sub>	<b>85</b>
<b>86</b>	30% (w/v) PEG-8000	cacodylate pH 6.5	Ca(OAc) <sub>2</sub>	<b>86</b>
<b>87</b>	30% (w/v) PEG-400	MES pH 6.0	MgCl <sub>2</sub>	<b>87</b>
<b>88</b>	30% (w/v) PEG-400	Tris pH 7.0	Li <sub>2</sub> SO <sub>4</sub>	<b>88</b>
<b>89</b>	10% (w/v) PEG-3000	HEPES pH 7.5	Li <sub>2</sub> SO <sub>4</sub>	<b>89</b>
<b>90</b>	10% (w/v) PEG-3000	MES pH 6.0	MgCl <sub>2</sub>	<b>90</b>
<b>91</b>	1.0 M Sodium citrate	Imidazole pH 8.0	MgCl <sub>2</sub>	<b>91</b>
<b>92</b>	1.0 M Sodium citrate	Tris pH 8.5	NaCl	<b>92</b>
<b>93</b>	2.5M Sodium Malonate	Tris pH 7.0		<b>93</b>
<b>94</b>	2.5M Sodium Malonate	acetate pH 4.5		<b>94</b>
<b>95</b>	2.5M Sodium Malonate	Tris pH 8.5		<b>95</b>
<b>96</b>	2.5M Sodium Malonate	Imidazole pH 8.0		<b>96</b>

All formulations are made with ultrapure ASTM Type I water and sterile-filtered stock solutions.  
Store at 4-25 °C.