

# HEALTHY PROSTATE AND BLADDER FUNCTION



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# SABALSELECT

ORIGINAL CO<sub>2</sub> SAW PALMETTO EXTRACT

These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.

Please note that the physiological activity of the ingredient described herein is supported by the referenced clinical trial reports. Marketers of finished products containing the ingredient described herein are responsible for determining whether the claims made for such products are lawful and in compliance with the laws of the country in which they will market the products.

## WHAT IS SABALSELECT?

**SABALSELECT®** is a highly standardized *Serenoa repens* extract, effective for the relief of the urinary symptoms associated with prostate health.

*Serenoa repens* [Bartr.] Small (also named saw palmetto), is a low shrubby palm native to North America, where it grows in pine woods and among the sandy dunes in the coastal lands of south Carolina, Louisiana, Georgia and Florida<sup>1</sup> and the partially dried, ripe fruits were used in traditional American medicine to produce a drug useful to support healthy prostate and bladder function.<sup>2</sup>

## SPECIFICATIONS

**SABALSELECT®** is standardized to contain:  
≥85.0% ≤95.0% of fatty acids,  
≥0.01% ≤0.15% of fatty alcohols,  
≥0.25% ≤0.50% of total sterols,  
≥0.15% ≤0.35% of β-sitosterol.

## RECOMMENDED USE AND DOSE

**SABALSELECT®** is available in two physical forms: liquid extract (opalescent dark ruby-brown liquid, soluble in ethanol and in common organic solvents) and a 30% powder extract (light yellow granular powder).

Recommended daily dose: up to 320 mg

## References

- Olson D.F., Barnes R.L., Agriculture Handbook 450:769-770 (1974)
- Duke J.A., "CRC - Handbook of Medicinal Herbs" 443 (1991)
- Breu W., Stadler F., Hagenlocher M., Wagner H., Z. Phytother. 13, 107 (1992).
- Mattei F.M., Capone M., Accocchia A., Urologia 55, 547 (1988).
- Braeckman J., Denis L., de Leval J., Keuppens F., Cornet A., De Bruyne R., De Smedt E., Pacco J., Timmermans L., Van Vliet P., Bruhwyljer J., Kaufman L., Derde M.P., Eur. J. Clin. Res. 9, 247 (1997)
- Braeckman J., Curr. Ther. Res. 55, 776 (1994).
- Braeckman J., Bruhwyljer J., Brichard B., Géczy J., Eur. J. Clin. Res. 9, 47 (1997).
- Braeckman J., Bruhwyljer J., Vandekerchove K., Géczy J., Phytother. Res. 11, 558 (1997).
- Vahlensieck W., Völp A., Kuntze M., Lubos W., Urologie 33, 380 (1993).
- Vahlensieck W., Völp A., Lubos W., Kuntze M., Fortschr. Med. 111, 323 (1993).
- Indena S.p.A., Internal Report 41/05/LRA-00.
- Hagenlocher M., Romalo G., Schweikert H.U., Akt. Urol. 24, 146 (1993).
- Bayne C.W., Grant E.S., Chapman K., Habib F.K., J. Urol. 157, 194 (1997).
- Breu W., Hagenlocher M., Redl K., Tittel G., Stadler F., Wagner H., Arzneim. Forsch. 42, 547, (1992).
- Paubert-Braquet M., Mencia Huerta J.M., Cousse H., Braquet P., Prostaglandins, Leukotrienes and Essential Fatty Acids 57, 299 (1997).
- Paubert-Braquet M., Cousse H., Raynaud J.P., Mencia Huerta J.M., Braquet P., Eur. Urol. 33, 340 (1998).
- Wilt T., Ishani A., Mac Donald R., The Cochrane Library 2004, Issue 2.
- Odenthal K.P., Phytother. Res. 10, S141 (1996).
- Di Silverio F., D' Eramo G., Lubrano C., Flammia G.P., Sciarra A., Palma E., Caponera M., Sciarra F., Eur. Urol. 21, 309 (1992).

## WHAT MAKES SABALSELECT® UNIQUE?

**SABALSELECT®**, extracted with hypercritical CO<sub>2</sub> process, has a **defined chemical profile with reproducible phytochemical characteristics**. **SABALSELECT®** has been extensively evaluated in vitro, in vivo and **nine clinical studies** are underlining its effective activity for **supporting healthy prostate function**:

- **SABALSELECT®** has been demonstrated to be very well tolerated and to greatly **improve the urodynamic parameters for supporting healthy bladder function in older males**.<sup>3-10</sup>
- **SABALSELECT®** is safe and supported by a full toxicological package<sup>11</sup> and because of the complex composition of the extract, a multiple mechanism of action seems underline its activity on the structure and function of the body:
  - **Inhibition of 5α-reductase activity**.<sup>12,13</sup>
  - **Double blocking of cyclooxygenase and lipoxygenase activities**.<sup>14</sup>
  - **Inhibition of chemotactic leukotriene production by cells**.<sup>15</sup>
  - **Attenuation of response of prostate cells to growth factors**.<sup>16</sup>
  - **Inhibitory effect on nuclear estrogen receptors**.<sup>17</sup>
  - **α-Adrenoceptor antagonistic properties**.<sup>18</sup>
  - **Interference with the action of prolactin**.<sup>19</sup>



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